

IN THE CLAIMS:

Please amend claims 1, 3, 4, and 7; cancel claims 2, 5 and 6; and add new claims 12-22, as follows:

1. (Currently Amended) A tissue adhesive patch, comprising:  
a mesh structure, said mesh structure including a first  
material comprising a polymer, said polymer being selected from a  
group consisting of nylon, polyester and polycarbonate, said first  
material being biologically compatible and non-irritating; and  
a second material including a derivitized derivatized  
collagen, a concentration of said derivatized collagen in said  
second material being at least equal to 300 mg/ml but less than  
800 mg/ml, said mesh structure being encapsulated in said 7  
material.

2. (Cancelled)

3. (Currently Amended) A tissue adhesive patch, comprising:  
a structural component plurality of fibers which are  
biologically compatible and non-irritating; and  
a material including a derivitized derivatized collagen, a  
concentration of said derivatized collagen in said material being  
at least equal to 300 mg/ml but less than 800 mg/ml, said  
structural component plurality of fibers being embedded in said  
material.

*RE*  
*Original*

4. (Currently Amended) A tissue adhesive patch in accordance with claim 1 ~~wherein a mesh structure, said mesh structure includes carbon or metal wire 3, wherein said plurality of fibers are bundled.~~

5. (Cancelled)

6. (Cancelled)

7. (Currently Amended) A tissue adhesive patch in accordance with claim 6 3, wherein said plurality of fibers are coaligned.

8. (Withdrawn)

9. (Withdrawn)

10. (Withdrawn)

11. (Withdrawn)

12. (New) A tissue adhesive patch in accordance with claim 3, wherein said plurality of fibers include collagen.

13. (New) A tissue adhesive patch, comprising:  
a plurality of collagen fibrils; and  
a material including a derivatized collagen, said, a concentration of said derivatized collagen in said material being ~~at least equal to~~ 300 mg/ml but less than 800 mg/ml, said plurality of collagen fibrils being embedded in said material.

14. (New) A tissue adhesive patch, comprising:  
a mesh structure, said mesh structure including a first material selected from a group consisting of carbon and metal wire, said first material being biologically compatible and non-

irritating; and

a second material including a derivatized collagen, concentration of said derivatized collagen in said second material being at least equal to 300 mg/ml but less than 800 mg/ml, said mesh structure being encapsulated in said material.

15. (New) A tissue adhesive patch in accordance with claim 1, wherein said derivatized collagen includes a COO<sup>-</sup> functional group.

16. (New) A tissue adhesive patch in accordance with claim 15, wherein said derivatized collagen further includes an SH<sup>-</sup> functional group.

17. (New) A tissue adhesive patch in accordance with claim 3, wherein said derivatized collagen includes a COO<sup>-</sup> functional group.

18. (New) A tissue adhesive patch in accordance with claim 17, wherein said derivatized collagen further includes an SH<sup>-</sup> functional group.

19. (New) A tissue adhesive patch in accordance with claim 13, wherein said derivatized collagen includes a COO<sup>-</sup> functional group.

20. (New) A tissue adhesive patch in accordance with claim 19, wherein said derivatized collagen further includes an SH<sup>-</sup> functional group.

*M. J. Carroll*

21. (New) A tissue adhesive patch in accordance with claim 14, wherein said derivatized collagen includes a COO<sup>-</sup> functional group.

22. (New) A tissue adhesive patch in accordance with claim 21, wherein said derivatized collagen further includes an SH<sup>-</sup> functional group.

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